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(54) Title: COMPOSITE PRODUCT OBTAINABLE BY COGRINDING OF A ACTIVE PRINCIPLE WITH A COPOLYMER N-VINYL-2-PYRROLIDONE/VINYL-ACETATE

Carrier	Example	Nimesulide / Carrier Ratio	Activation time (hours)					
			0		*1*		*2*	
			ΔH_f (mJ/mg)	T_f (°C)	ΔH_f (mJ/mg)	T_f (°C)	ΔH_f (mJ/mg)	T_f (°C)
NVP/VA	3	1 / 3	60.6	137.3	34.7	114.9	26.0	108.5
	4	1 / 4	59.6	140.2	19.0	109.4	10.6	107.7
PVP	E	1 / 3	95.8	149.8	28.5	136.0	21.0	135.4
	F	1 / 4	75.9	149.4	15.0	133.0	15.1	130.5
PVP-CL	G	1 / 3	79.2	150.7	32.9	132.6	31.2	132.0
	H	1 / 4	77.2	150.5	24.6	130.6	23.7	129.6

(57) Abstract: The present invention describes how to obtain composite products comprising an active substance supported by a carrier, in which the carrier is the linear copolymer of N-vinyl-2-pyrrolidone with vinyl acetate. The composite products are obtained by co-grinding of the dry mixture of the active substance and of the aforesaid carrier. The composite products thus obtained have better chemical-physical properties (lower melting enthalpy and/or lower melting temperature of the active substance) and a higher dissolution speed with respect to composite products obtained with the same-co-grinding time with other carriers used in prior techniques. Furthermore, the composite products obtained with the technique according to the present invention have the appearance of powders that are easier to work from a pharmaceutical point of view (flow, compression) with respect to composite products previously obtained with other carriers.

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